

APPENDIX F PROJECT COST ESTIMATES WORKSHEETS

**Table F-1. SW 26th Street, SW Brant to SW Abalone Street
Estimated Project Cost Summary**

PROJECT NO.					
1					
LOCATION					
SW 26th Street, SW Brant Street to SW Abalone Street					
PROJECT DESCRIPTION					
Construct bike lane and sidewalk on north side.					
PROPOSED IMPROVEMENTS					
ITEM NO.	BID ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
1	Clearing & Grubbing	0	ACRE	\$8,000	\$280
2	Earthwork	21	CY	\$15	\$315
3	Aggregate Base	34	TON	\$18	\$621
4	Concrete Curb and Gutter (Standard)	305	LF	\$15	\$4,575
5	Concrete Walks	1525	SF	\$4	\$6,100
6	ADA Sidewalk Ramps	2	EACH	\$1,000	\$2,000
7	Storm Sewer Line (12 inch, 5 foot depth)	50	LF	\$50	\$2,500
8	Concrete Inlet	1	EACH	\$1,500	\$1,500
9	Utility Coordination	1	LS	\$5,000	\$5,000
10	Signage and Striping	1	LS	\$1,000	\$1,000
	Subtotal				\$23,891
11	Surveying (%)			\$2,000	\$2,000
12	Mobilization (%)			8%	\$1,911
13	Traffic Control (%)			5%	\$1,195
14	Erosion Control (%)			3%	\$717
	Estimated Direct Construction Cost				\$29,713
	Design Contingency			40%	\$11,885
	Design Fees			25%	\$7,428
	Construction Management			10%	\$2,971
	Right of Way Acquisition			\$-	\$-
ESTIMATED PROJECT COST					\$51,998

**Table F-2. SW 27th Street, SW Brant Street to SW Abalone Street
Estimated Project Cost Summary**

PROJECT NO.					
2A					
LOCATION					
SW 27th Street, SW Brant Street to SW Abalone Street					
PROJECT DESCRIPTION					
Construct street with sidewalk on the north side.					
PROPOSED IMPROVEMENTS					
ITEM NO.	BID ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
1	Clearing & Grubbing	0	ACRE	\$8,000	\$2,498
2	Earthwork	384	CY	\$15	\$5,758
3	Pavement (HMAC)	207	TON	\$80	\$16,576
4	Aggregate Base	518	TON	\$18	\$9,332
5	Concrete Curb and Gutter (Standard)	345	LF	\$15	\$5,175
6	Concrete Walks	1725	SF	\$4	\$6,900
7	ADA Sidewalk Ramps	2	EACH	\$1,000	\$2,000
8	Storm Sewer Line (12 inch, 5 foot depth)	40	LF	\$50	\$2,000
9	Storm Drainage Manhole	1	EACH	\$3,000	\$3,000
10	Concrete Inlet	2	EACH	\$1,500	\$3,000
11	Landscape Repair	3475	SF	\$1	\$2,606
12	Utility Coordination	1	LS	\$8,000	\$8,000
13	Signage and Striping (%)	1	LS	5%	\$2,942
	Subtotal				\$69,787
14	Surveying (%)			3%	\$2,094
15	Mobilization (%)			8%	\$5,583
16	Traffic Control (%)			5%	\$3,489
17	Erosion Control (%)			3%	\$2,094
	Estimated Direct Construction Cost				\$83,046
	Design Contingency			40%	\$33,218
	Design Fees			25%	\$20,762
	Construction Management			10%	\$8,305
	Right of Way Acquisition			\$-	\$-
ESTIMATED PROJECT COST					\$145,331

**Table F-3. SW 27th Street, SW Coho Street to existing improvements
Estimated Project Cost Summary**

PROJECT NO.					
2B					
LOCATION					
SW 27th Street, SW Coho Street to existing improvements					
PROJECT DESCRIPTION					
Construct street with sidewalk on the north side.					
PROPOSED IMPROVEMENTS					
ITEM NO.	BID ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
1	Clearing & Grubbing	0	ACRE	\$8,000	\$666
2	Earthwork	174	CY	\$15	\$2,609
3	Pavement Removal	31	SY	\$10	\$315
4	Pavement (HMAC)	95	TON	\$80	\$7,597
5	Aggregate Base	234	TON	\$18	\$4,210
6	Concrete Curb and Gutter (Standard)	125	LF	\$15	\$1,875
7	Concrete Walks	625	SF	\$4	\$2,500
8	ADA Sidewalk Ramps	1	EACH	\$1,000	\$1,000
9	Storm Sewer Line (18 inch, 5 foot depth)	295	LF	\$55	\$16,225
10	Storm Drainage Manhole	1	EACH	\$3,000	\$3,000
11	Concrete Inlet	2	EACH	\$1,500	\$3,000
12	Landscape Repair	850	SF	\$1	\$638
13	Utility Coordination		LS	\$2,000	\$2,000
14	Signage and Striping (%)		LS	5%	\$2,410
	Subtotal				\$48,044
15	Surveying (%)			\$2,000	\$2,000
16	Mobilization (%)			8%	\$3,843
17	Traffic Control (%)			5%	\$2,402
18	Erosion Control (%)			3%	\$1,441
	Estimated Direct Construction Cost				\$57,731
	Design Contingency			40%	\$23,092
	Design Fees			25%	\$14,433
	Construction Management			10%	\$5,773
	Right of Way Acquisition			\$-	\$-
ESTIMATED PROJECT COST					\$101,029

**Table F-4. SW 28th Street, SW 27th Street to SW Brant Street
Estimated Project Cost Summary**

PROJECT NO.					
3A					
LOCATION					
SW 28th Street, SW 27th Street to SW Brant Street					
PROJECT DESCRIPTION					
Construct street with parking on west and south sides. Sidewalk on west and south sides. Acquire right-of-way as needed.					
PROPOSED IMPROVEMENTS					
ITEM NO.	BID ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
1	Clearing & Grubbing	0	ACRE	\$8,000	\$3,497
2	Earthwork	459	CY	\$20	\$9,176
3	Pavement (HMAC)	253	TON	\$80	\$20,246
4	Aggregate Base	615	TON	\$18	\$11,064
5	Concrete Curb and Gutter (Standard)	412	LF	\$15	\$6,180
6	Concrete Curb and Gutter (Ribbon)	385	LF	\$20	\$7,700
7	Concrete Walks	2175	SF	\$4	\$8,700
8	ADA Sidewalk Ramps	2	EACH	\$1,000	\$2,000
9	Storm Sewer Line (12 inch, 5 foot depth)	580	LF	\$50	\$29,000
10	Water Line (6 inch)	750	LF	\$75	\$56,250
11	Fire Hydrants	2	EACH	\$3,500	\$7,000
12	Sanitary Sewer Line (6 inch)	125	LF	\$60	\$7,500
13	Sanitary Manhole	1	EACH	\$3,000	\$3,000
14	Concrete Inlet	6	EACH	\$1,500	\$9,000
15	Landscape Planter Strip	2010	SF	\$4	\$7,035
16	Landscape Repair	6605	SF	\$1	\$4,954
17	Utility Coordination	1	LS	\$40,000	\$40,000
18	Signage and Striping (%)	1	LS	5%	\$11,615
	Subtotal				\$243,916
19	Surveying (%)			3%	\$7,317
20	Mobilization (%)			8%	\$19,513
21	Traffic Control (%)			5%	\$12,196
22	Erosion Control (%)			3%	\$7,317
	Estimated Direct Construction Cost				\$290,260
	Design Contingency			40%	\$116,104
	Design Fees			25%	\$72,565
	Construction Management			10%	\$29,026
	Right of Way Acquisition			\$46,361	\$46,361
ESTIMATED PROJECT COST					\$554,316
ALTERNATES					
A	Stormwater Infiltration Planters	2010	SF	\$8	\$15,075

**Table F-5. SW 28th Street, SW Brant Street to SW Abalone Street embankment
Estimated Project Cost Summary**

PROJECT NO.					
3B					
LOCATION					
SW 28th Street, SW Brant Street to SW Abalone Street embankment					
PROJECT DESCRIPTION					
Construct street with emergency access turnaround. Pedestrian stairs at east end.					
PROPOSED IMPROVEMENTS					
ITEM NO.	BID ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
1	Clearing & Grubbing	0	ACRE	\$8,000	\$1,945
2	Earthwork	383	CY	\$20	\$7,661
3	Pavement (HMAC)	216	TON	\$80	\$17,286
4	Aggregate Base	509	TON	\$18	\$9,158
5	Concrete Curb and Gutter (Ribbon)	570	LF	\$20	\$11,400
6	Concrete Stairs	36	LF	\$200	\$7,200
7	Concrete Walks	380	SF	\$4	\$1,520
8	ADA Sidewalk Ramps	2	EACH	\$1,000	\$2,000
9	Storm Sewer Line (12 inch, 5 foot depth)	290	LF	\$50	\$14,500
10	Water Line (6 inch)	290	LF	\$75	\$21,750
11	Fire Hydrants	2	EACH	\$3,500	\$7,000
12	Concrete Inlet	4	EACH	\$1,500	\$6,000
13	Landscape Repair	1450	SF	\$1	\$1,088
14	Utility Coordination	1	LS	\$30,000	\$30,000
15	Signage and Striping (%)	1	LS	5%	\$6,925
	Subtotal				\$145,433
16	Surveying (%)			3%	\$4,363
17	Mobilization (%)			8%	\$11,635
18	Traffic Control (%)			5%	\$7,272
19	Erosion Control (%)			3%	\$4,363
	Estimated Direct Construction Cost				\$173,065
	Design Contingency			40%	\$69,226
	Design Fees			25%	\$43,266
	Construction Management			10%	\$17,306
	Right of Way Acquisition			\$-	\$-
ESTIMATED PROJECT COST					\$302,864

**Table F-6. SW 29th Street, SW Coho to SW Brant Street
Estimated Project Cost Summary**

PROJECT NO.					
4					
LOCATION					
SW 29th Street, SW Coho Street to SW Brant Street					
PROJECT DESCRIPTION					
Construct street.					
PROPOSED IMPROVEMENTS					
ITEM NO.	BID ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
1	Clearing & Grubbing	0	ACRE	\$8,000	\$2,423
2	Earthwork	402	CY	\$15	\$6,032
3	Pavement (HMAC)	230	TON	\$80	\$18,376
4	Aggregate Base	531	TON	\$18	\$9,567
5	Concrete Curb and Gutter (Ribbon)	776	LF	\$20	\$15,520
6	Storm Sewer Line (12 inch, 5 foot depth)	330	LF	\$50	\$16,500
7	Concrete Inlet	2	EACH	\$1,500	\$3,000
8	Landscape Repair	3880	SF	\$1	\$2,910
9	Utility Coordination	1	LS	\$30,000	\$30,000
10	Signage and Striping (%)	1	LS	5%	\$5,216
	Subtotal				\$109,544
11	Surveying (%)			\$4,000	\$4,000
12	Mobilization (%)			8%	\$8,764
13	Traffic Control (%)			5%	\$5,477
14	Erosion Control (%)			3%	\$3,286
	Estimated Direct Construction Cost				\$131,071
	Design Contingency			40%	\$52,428
	Design Fees			25%	\$32,768
	Construction Management			10%	\$13,107
	Right of Way Acquisition			\$-	\$-
ESTIMATED PROJECT COST					\$229,374

**Table F-7. SW 30th Street, SW Brant Street to SW Abalone Street
Estimated Project Cost Summary**

PROJECT NO.					
5					
LOCATION					
SW 30th Street, SW Brant Street to SW Abalone Street					
PROJECT DESCRIPTION					
Construct street. Acquire right-of-way as needed.					
PROPOSED IMPROVEMENTS					
ITEM NO.	BID ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
1	Clearing & Grubbing	0	ACRE	\$8,000	\$3,742
2	Earthwork	436	CY	\$20	\$8,713
3	Pavement (HMAC)	290	TON	\$80	\$23,235
4	Aggregate Base	537	TON	\$18	\$9,671
5	Concrete Curb and Gutter (Standard)	360	LF	\$15	\$5,400
6	Concrete Curb and Gutter (Ribbon)	315	LF	\$20	\$6,300
7	Water Line (8 inch)	360	LF	\$75	\$27,000
8	Landscape Planter Strip	4764	SF	\$3	\$14,292
9	Landscape Repair	7855	SF	\$1	\$5,891
10	Utility Coordination	1	LS	\$30,000	\$30,000
11	Signage and Striping (%)	1	LS	5%	\$6,712
	Subtotal				\$140,956
12	Surveying (%)			3%	\$4,229
13	Mobilization (%)			8%	\$11,276
14	Traffic Control (%)			5%	\$7,048
15	Erosion Control (%)			3%	\$4,229
	Estimated Direct Construction Cost				\$167,738
	Design Contingency			40%	\$67,095
	Design Fees			25%	\$41,934
	Construction Management			10%	\$16,774
	Right of Way Acquisition			\$17,218	\$17,218
ESTIMATED PROJECT COST					\$310,759
ALTERNATES					
A	Stormwater Swale	4764	SF	\$6	\$26,202

**Table F-8. SW Coho Street, SW 29th Street to SW 30th Street
Estimated Project Cost Summary**

PROJECT NO.					
6					
LOCATION					
SW Coho Street, SW 29th Street to SW 30th Street					
PROJECT DESCRIPTION					
Construct street with shared-use path on west side.					
PROPOSED IMPROVEMENTS					
ITEM NO.	BID ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
1	Clearing & Grubbing	0	ACRE	\$8,000	\$2,129
2	Earthwork	322	CY	\$15	\$4,834
3	Pavement (HMAC)	189	TON	\$80	\$15,158
4	Aggregate Base	421	TON	\$18	\$7,577
5	Concrete Curb and Gutter (Ribbon)	512	LF	\$20	\$10,240
6	Storm Sewer Line (15 inch, 5 foot depth)	230	LF	\$50	\$11,500
7	Concrete Inlet	2	EACH	\$1,500	\$3,000
8	Landscape Filter Strip	1280	SF	\$4	\$4,480
9	Landscape Repair	3403	SF	\$1	\$2,552
10	Utility Coordination	1	LS	\$24,000	\$24,000
11	Signage and Striping (%)	1	LS	5%	\$4,274
	Subtotal				\$89,745
12	Surveying (%)			\$2,000	\$2,000
13	Mobilization (%)			8%	\$7,180
14	Traffic Control (%)			5%	\$4,487
15	Erosion Control (%)			3%	\$2,692
	Estimated Direct Construction Cost				\$106,104
	Design Contingency			40%	\$42,442
	Design Fees			25%	\$26,526
	Construction Management			10%	\$10,610
	Right of Way Acquisition			\$-	\$-
ESTIMATED PROJECT COST					\$185,683

**Table F-9. SW Brant Street, SW 27th Street to SW 30th Street
Estimated Project Cost Summary**

PROJECT NO.					
7					
LOCATION					
SW Brant Street, SW 27th Street to SW 30th Street					
PROJECT DESCRIPTION					
Construct street with parking on west side (SW 27th to SW 28th). Sidewalk on west side. Street lighting.					
PROPOSED IMPROVEMENTS					
ITEM NO.	BID ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
1	Clearing & Grubbing	1	ACRE	\$8,000	\$5,557
2	Excavation (Cut)	446	CY	\$15	\$6,690
3	Pavement (HMAC)	538	TON	\$80	\$43,019
4	Aggregate Base	1319	TON	\$18	\$23,736
5	Concrete Curb and Gutter (Standard)	766	LF	\$15	\$11,490
6	Concrete Curb and Gutter (Ribbon)	767	LF	\$20	\$15,340
7	Concrete Walks	3270	SF	\$4	\$13,080
8	ADA Sidewalk Ramps	6	EACH	\$1,000	\$6,000
9	Storm Sewer Line (12 inch, 5 foot depth)	280	LF	\$45	\$12,600
10	Storm Sewer Line (15 inch, 5 foot depth)	220	LF	\$50	\$11,000
11	Storm Sewer Line (18 inch, 5 foot depth)	130	LF	\$55	\$7,150
12	Storm Drainage Manhole	2	EACH	\$3,000	\$6,000
13	Water Quality Catch Basin	4	EACH	\$5,500	\$22,000
14	Water Line (8 inch)	800	LF	\$75	\$60,000
15	Landscape Planter Strip	1120	SF	\$4	\$4,480
15	Landscape Repair	4068	SF	\$1	\$3,051
16	Street Lighting	1	LS	\$69,050	\$69,050
17	Utility Coordination	1	LS	\$10,000	\$10,000
18	Signage and Striping (%)	1	LS	5%	\$16,512
	Subtotal				\$346,754
19	Surveying (%)			\$2,000	\$2,000
20	Mobilization (%)			8%	\$27,740
21	Traffic Control (%)			5%	\$17,338
22	Erosion Control (%)			3%	\$10,403
	Estimated Direct Construction Cost				\$404,235
	Design Contingency			40%	\$161,694
	Design Fees			25%	\$101,059
	Construction Management			10%	\$40,424
	Right of Way Acquisition			\$-	\$-
ESTIMATED PROJECT COST					\$707,411
ALTERNATES					
A	Stormwater Infiltration Planters	1120	SF	\$8	\$8,400

**Table F-10. SW Abalone Street, SW 29th Street to Anchor Way
Estimated Project Cost Summary**

PROJECT NO.					
8					
LOCATION					
SW Abalone Street, SW 29th Street to Anchor Way					
PROJECT DESCRIPTION					
Construct street with shared-use path on west side. Sidewalk on east side. Street and path					
PROPOSED IMPROVEMENTS					
ITEM NO.	BID ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
1	Clearing & Grubbing	2	ACRE	\$8,000	\$13,208
2	Earthwork	4744	CY	\$13	\$59,305
3	Pavement (HMAC)	1440	TON	\$80	\$115,209
4	Aggregate Base	2313	TON	\$18	\$41,628
5	Aggregate Subbase	4397	TON	\$15	\$65,959
6	Concrete Curb and Gutter (Standard)	3684	LF	\$15	\$55,260
7	Concrete Walks	7662	SF	\$4	\$30,648
8	ADA Sidewalk Ramps	4	EACH	\$1,000	\$4,000
9	Storm Sewer Line (15 inch, 5 foot depth)	335	LF	\$50	\$16,750
10	Storm Sewer Line (18 inch, 5 foot depth)	410	LF	\$50	\$20,500
11	Storm Sewer Line (24 inch, 5 foot depth)	255	LF	\$60	\$15,300
12	Sanitary Sewer Line (8 inch)	715	LF	\$61	\$43,615
13	Sanitary Manhole	2	EACH	\$3,000	\$6,000
14	Storm Drain Manhole	3	EACH	\$3,000	\$9,000
15	Storm Drain Inlet, Concrete Headwall	1	EACH	\$5,000	\$5,000
16	Concrete Inlet	6	EACH	\$1,000	\$6,000
17	Landscape Planter Strip	5108	EACH	\$3	\$15,324
18	Landscape Repair	13472	SF	\$1	\$10,104
19	Street / Path Lighting	1	LS	\$181,980	\$181,980
20	Signage and Striping (%)	1	LS	5%	\$35,739
	Subtotal				\$750,529
21	Surveying (%)			3%	\$22,516
22	Mobilization (%)			8%	\$60,042
23	Traffic Control (%)			3%	\$22,516
24	Erosion Control (%)			3%	\$22,516
	Estimated Direct Construction Cost				\$878,119
	Design Contingency			40%	\$351,248
	Design Fees			25%	\$219,530
	Construction Management			10%	\$87,812
	Right of Way Acquisition			LS	\$236,713
ESTIMATED PROJECT COST					\$1,773,421
ALTERNATES					
A	Stormwater Swale	20942	SF	\$6	\$115,181

**Table F-11. Highway 101 at SW 35th Street
Estimated Project Cost Summary**

PROJECT NO.					
9					
LOCATION					
Highway 101/SW 35th Street, Anchor Way to Ferry Slip Road					
PROJECT DESCRIPTION					
Widen intersection to accommodate additional lane channelization and signalize. Construct street from Anchor Way/Abalone Extension to Ferry Slip Road.					
PROPOSED IMPROVEMENTS					
ITEM NO.	BID ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
1	Clearing & Grubbing	1.53	ACRE	\$8,000.00	\$12,260
2	Earthwork	1621	CY	\$15.00	\$24,311
3	Pavement Rehabilitation	23100	SF	\$2.00	\$46,200
4	Pavement (HMAC)	1304	TON	\$80.00	\$104,356
5	Aggregate Base	876	TON	\$18.00	\$15,765
6	Concrete Curb and Gutter (Standard)	1690	LF	\$15.00	\$25,350
7	Concrete Walks	11050	SF	\$4.00	\$44,200
8	ADA Sidewalk Ramps	4	EACH	\$1,000.00	\$4,000
9	Storm Sewer Line (12 inch, 5 foot depth)	580	LF	\$55.00	\$31,900
10	Storm Drainage Manhole	2	EACH	\$3,000.00	\$6,000
11	Concrete Inlet	6	EACH	\$1,500.00	\$9,000
12	Signal	1	LS	\$250,000.00	\$250,000
13	Landscape Strip	3278	SF	\$7.50	\$24,585
14	Street Lighting	1	LS	\$148,220.00	\$148,220
15	Retaining Wall	400	LF	\$110.00	\$44,000
16	Utility Coordination	1	LS	\$20,000.00	\$20,000
17	Signage and Striping (%)	1	LS	5%	\$40,507
	Subtotal				\$850,654
18	Surveying (%)			3%	\$25,520
19	Mobilization (%)			8%	\$68,052
20	Traffic Control (%)			5%	\$42,533
21	Erosion Control (%)			3%	\$25,520
	Estimated Direct Construction Cost				\$1,012,279
	Design Contingency			40%	\$404,911
	Design Fees			25%	\$253,070
	Construction Management			10%	\$101,228
	Right of Way Acquisition			\$-	\$205,452
ESTIMATED PROJECT COST					\$1,976,940

**Table F-12. Highway 101 at SW 32nd Street
Estimated Project Cost Summary**

PROJECT NO.					
10					
LOCATION					
Highway 101 at SW 32nd Street					
PROJECT DESCRIPTION					
Remove signal. Implement right-in, right-out movements at SW 32nd Street.					
PROPOSED IMPROVEMENTS					
ITEM NO.	BID ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
1	Pavement Rehabilitation	7740	SF	\$3	\$23,220
2	Remove Signal	1	LS	\$50,000	\$50,000
3	Utility Coordination	1	LS	\$10,000	\$10,000
4	Signage and Striping (%)	1	LS	\$8,000	\$8,000
	Subtotal				\$91,220
5	Surveying (%)			3%	\$2,737
6	Mobilization (%)			8%	\$7,298
7	Traffic Control (%)			5%	\$4,561
8	Erosion Control (%)			3%	\$2,737
	Estimated Direct Construction Cost				\$108,552
	Design Contingency			40%	\$43,421
	Design Fees			25%	\$27,138
	Construction Management			10%	\$10,855
	Right of Way Acquisition			\$-	\$-
ESTIMATED PROJECT COST					\$189,966

**Table F-13. SW Coho Street, SW 29th Street to Jetty Way
Estimated Project Cost Summary**

PROJECT NO.					
11					
LOCATION					
SW Coho Street, SW 29th Street to Jetty Way					
PROJECT DESCRIPTION					
Construct shared-use path.					
PROPOSED IMPROVEMENTS					
ITEM NO.	BID ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
1	Clearing & Grubbing	0	ACRE	\$8,000	\$2,017
2	Earthwork	392	CY	\$20	\$7,831
3	Pavement (HMAC)	120	TON	\$80	\$9,630
4	Aggregate Base	279	TON	\$18	\$5,015
5	Landscape Repair	6100	SF	\$1	\$4,575
7	Utility Coordination	1	LS	\$5,000	\$5,000
8	Signage	1	LS	\$2,000	\$2,000
	Subtotal				\$36,068
9	Surveying (%)			\$5,000	\$5,000
10	Mobilization (%)			10%	\$3,607
11	Traffic Control (%)			5%	\$1,803
12	Erosion Control (%)			5%	\$1,803
	Estimated Direct Construction Cost				\$48,281
	Design Contingency			40%	\$19,312
	Design Fees			20%	\$9,656
	Construction Management			10%	\$4,828
	Right of Way Acquisition			\$-	\$-
ESTIMATED PROJECT COST					\$82,078

**Table F-14. SW Abalone Street, SW Marine Science Drive to SW Abalone Street extension
Estimated Project Cost Summary**

PROJECT NO.					
12A					
LOCATION					
SW Abalone Street, SW Marine Science Drive to SW Abalone Street extension					
PROJECT DESCRIPTION					
Construct shared-use path. Path lighting.					
PROPOSED IMPROVEMENTS					
ITEM NO.	BID ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
1	Clearing & Grubbing	0	ACRE	\$8,000	\$3,700
2	Earthwork	286	CY	\$20	\$5,711
3	Pavement (HMAC)	190	TON	\$80	\$15,230
4	Aggregate Base	190	TON	\$18	\$3,427
5	Concrete Curb and Gutter (Standard)	1028	LF	\$15	\$15,420
6	Landscape Repair	5140	SF	\$1	\$3,855
7	Landscape Filter Strip	4725	SF	\$4	\$16,538
8	Path Lighting	1	LS	\$83,960	\$83,960
9	Utility Coordination	1	LS	\$10,000	\$10,000
10	Signage	1	LS	\$2,000	\$2,000
	Subtotal				\$159,840
10	Surveying (%)			\$6,000	\$6,000
11	Mobilization (%)			8%	\$12,787
12	Traffic Control (%)			5%	\$7,992
13	Erosion Control (%)			3%	\$4,795
	Estimated Direct Construction Cost				\$191,414
	Design Contingency			40%	\$76,566
	Design Fees			20%	\$38,283
	Construction Management			10%	\$19,141
	Right of Way Acquisition			\$-	\$-
ESTIMATED PROJECT COST					\$325,404

**Table F-15. SW Abalone Street, SW Abalone Street extension to Highway 101
Estimated Project Cost Summary**

PROJECT NO. 12B					
LOCATION SW Abalone Street, SW Abalone Street extension to Highway 101					
PROJECT DESCRIPTION Construct shared-use path. Path lighting.					
PROPOSED IMPROVEMENTS					
ITEM NO.	BID ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
1	Clearing & Grubbing	0	ACRE	\$8,000	\$2,369
2	Earthwork	117	CY	\$20	\$2,344
3	Pavement (HMAC)	78	TON	\$80	\$6,252
4	Aggregate Base	145	TON	\$18	\$2,602
5	Concrete Curb and Gutter (Standard)	422	LF	\$15	\$6,330
6	Landscape Repair	7005	SF	\$1	\$5,254
7	Landscape Filter Strip	1675	SF	\$4	\$5,863
8	Path Lighting	1	LS	\$41,540	\$41,540
9	Utility Coordination	1	LS	\$5,000	\$5,000
10	Signage	1	LS	\$2,000	\$2,000
	Subtotal				\$79,554
11	Surveying (%)			\$5,000	\$5,000
12	Mobilization (%)			8%	\$6,364
13	Traffic Control (%)			5%	\$3,978
14	Erosion Control (%)			3%	\$2,387
	Estimated Direct Construction Cost				\$97,283
	Design Contingency			40%	\$38,913
	Design Fees			20%	\$19,457
	Construction Management			10%	\$9,728
	Right of Way Acquisition			\$-	\$-
ESTIMATED PROJECT COST					\$165,381

**Table F-16 Jetty Way, SW 26th Street to South Beach State Park
Estimated Project Cost Summary**

PROJECT NO.					
13					
LOCATION					
Jetty Way, SW 26th Street to South Beach State Park					
PROJECT DESCRIPTION					
Construct shared-use path. Path lighting.					
PROPOSED IMPROVEMENTS					
ITEM NO.	BID ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
1	Clearing & Grubbing	2	ACRE	\$8,000	\$13,223
2	Earthwork	1000	CY	\$15	\$15,000
3	Pavement (HMAC)	667	TON	\$80	\$53,333
4	Aggregate Base	1233	TON	\$18	\$22,200
5	Landscape Repair	7200	SF	\$1	\$5,400
6	Path Lighting	1	LS	\$126,000	\$126,000
7	Utility Coordination	1	LS	\$5,000	\$5,000
8	Signage	1	LS	\$2,000	\$2,000
	Subtotal				\$240,156
9	Surveying (%)			3%	\$7,205
10	Mobilization (%)			8%	\$19,213
11	Traffic Control (%)			5%	\$12,008
12	Erosion Control (%)			3%	\$7,205
	Estimated Direct Construction Cost				\$285,786
	Design Contingency			40%	\$114,314
	Design Fees			20%	\$57,157
	Construction Management			10%	\$28,579
	Right of Way Acquisition			\$-	\$-
ESTIMATED PROJECT COST					\$485,837

**Table F-17. SW Dungeness Street to SW Abalone Street
Estimated Project Cost Summary**

PROJECT NO.					
14					
LOCATION					
SW Dungeness Street to SW Abalone Street					
PROJECT DESCRIPTION					
Domestic water, fire system, and storm drainage upgrades.					
PROPOSED IMPROVEMENTS					
ITEM NO.	BID ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
1	Clearing & Grubbing	1	ACRE	\$8,000	\$8,000
2	Water Line (8 inch)	1500	LF	\$75	\$112,500
3	Fire Hydrant	2	EACH	\$3,500	\$7,000
4	Storm Drain Pipe (15 inch, 5 foot depth)	490	LF	\$50	\$24,500
5	Storm Drain Manhole	1	EACH	\$3,000	\$3,000
	Subtotal				\$155,000
6	Surveying (%)			\$2,000	\$2,000
7	Mobilization (%)			8%	\$12,400
8	Traffic Control (%)			5%	\$7,750
9	Erosion Control (%)			3%	\$4,650
	Estimated Direct Construction Cost				\$181,800
	Design Contingency			40%	\$72,720
	Design Fees			25%	\$45,450
	Construction Management			10%	\$18,180
	Right of Way Acquisition			\$-	\$-
ESTIMATED PROJECT COST					\$318,150

**Table F-18. SW 26th Street
Estimated Project Cost Summary**

PROJECT NO.					
15					
LOCATION					
SW 26th Street					
PROJECT DESCRIPTION					
Sanitary sewer lift station upgrade.					
PROPOSED IMPROVEMENTS					
ITEM NO.	BID ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
1	Clearing & Grubbing	1	ACRE	\$8,000	\$8,000
2	Pavement Removal	15	SY	\$10	\$150
3	Pavement Rehabilitation	400	SF	\$3	\$1,200
4	Sanitary Sewer Lift Station	1	EACH	\$40,000	\$40,000
5	Sanitary Sewer Force Main (4 inch)	70	LF	\$50	\$3,500
	Subtotal				\$52,850
6	Surveying (%)			3%	\$1,586
7	Mobilization (%)			8%	\$4,228
8	Traffic Control (%)			5%	\$2,643
9	Erosion Control (%)			3%	\$1,586
	Estimated Direct Construction Cost				\$62,892
	Design Contingency			40%	\$25,157
	Design Fees			25%	\$15,723
	Construction Management			10%	\$6,289
	Right of Way Acquisition			\$-	\$-
ESTIMATED PROJECT COST					\$110,060

**Table F-19. SW 26th Street & SW Brant Street
Estimated Project Cost Summary**

PROJECT NO.					
16					
LOCATION					
SW 26th Street & SW Brant Street					
PROJECT DESCRIPTION					
Storm drainage improvements. Water quality treatment and bypass structure.					
PROPOSED IMPROVEMENTS					
ITEM NO.	BID ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
1	Clearing & Grubbing	1	ACRE	\$8,000	\$8,000
2	Pavement Removal	15	SY	\$10	\$150
3	Pavement Rehabilitation	400	SF	\$3	\$1,200
4	Water Quality Treatment Structure	1	EACH	\$20,000	\$20,000
5	Storm Drain Manhole, Bypass	1	EACH	\$4,500	\$4,500
6	Storm Drain Manhole	1	EACH	\$3,000	\$3,000
7	Storm Drain Pipe (12 inch, 5 foot depth)	35	LF	\$50	\$1,750
8	Storm Drain Pipe (30 inch, 5 foot depth)	25	LF	\$65	\$1,625
	Subtotal				\$40,225
9	Surveying (%)			3%	\$1,207
10	Mobilization (%)			8%	\$3,218
11	Traffic Control (%)			5%	\$2,011
12	Erosion Control (%)			3%	\$1,207
	Estimated Direct Construction Cost				\$47,868
	Design Contingency			40%	\$19,147
	Design Fees			25%	\$11,967
	Construction Management			10%	\$4,787
	Right of Way Acquisition			\$-	\$-
ESTIMATED PROJECT COST					\$83,769

**Table F-20. SW Abalone Street & SW 35th Street
Estimated Project Cost Summary**

PROJECT NO. 17					
LOCATION SW Abalone Street & SW 35th Street					
PROJECT DESCRIPTION Storm drainage improvements. Water quality treatment and bypass structure.					
PROPOSED IMPROVEMENTS					
ITEM NO.	BID ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
1	Clearing & Grubbing	1	ACRE	\$8,000	\$8,000
2	Pavement Removal	15	SY	\$10	\$150
3	Pavement Rehabilitation	400	SF	\$3	\$1,200
4	Water Quality Treatment Structure	1	EACH	\$20,000	\$20,000
5	Storm Drain Manhole, Bypass	1	EACH	\$4,500	\$4,500
6	Storm Drain Manhole	1	EACH	\$3,000	\$3,000
7	Storm Drain Pipe (12 inch, 5 foot depth)	35	LF	\$50	\$1,750
8	Storm Drain Pipe (24 inch, 5 foot depth)	25	LF	\$60	\$1,500
	Subtotal				\$40,100
9	Surveying (%)			3%	\$1,203
10	Mobilization (%)			8%	\$3,208
11	Traffic Control (%)			5%	\$2,005
12	Erosion Control (%)			3%	\$1,203
	Estimated Direct Construction Cost				\$47,719
	Design Contingency			40%	\$19,088
	Design Fees			25%	\$11,930
	Construction Management			10%	\$4,772
	Right of Way Acquisition			\$-	\$-
ESTIMATED PROJECT COST					\$83,508

**Table F-21. Coastal Gully Open Space
Estimated Project Cost Summary**

PROJECT NO.					
18					
LOCATION					
Coastal Gully Open Space					
PROJECT DESCRIPTION					
Construct trailhead, parking, trails, and boardwalks.					
PROPOSED IMPROVEMENTS					
ITEM NO.	BID ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
1	Clearing & Grubbing	0	ACRE	\$20,000	\$6,400
2	Earthwork	141	CY	\$20	\$2,822
3	Pavement (HMAC)	70	TON	\$80	\$5,624
4	Aggregate Paths	196	TON	\$24	\$4,704
5	Boardwalks	3,815	SF	\$15	\$57,225
6	Concrete Walks	935	SF	\$4	\$3,740
7	Utility Coordination	1	LS	\$10,000	\$10,000
8	Benches	2	EACH	\$850	\$1,700
9	Bicycle Racks	5	EACH	\$200	\$1,000
10	Signage	2	EACH	\$1,000	\$2,000
	Subtotal				\$95,215
11	Surveying (%)		LS	3%	\$2,856
12	Mobilization (%)		LS	8%	\$7,617
13	Traffic Control (%)		LS	5%	\$4,761
14	Erosion Control (%)		LS	3%	\$2,856
	Estimated Direct Construction Cost				\$113,306
	Design Contingency			40%	\$45,322
	Design Fees			20%	\$22,661
	Construction Management			10%	\$11,331
ESTIMATED PROJECT COST					\$192,620

**Table F-22. Yaquina Bay Bridge Open Space
Estimated Project Cost Summary**

PROJECT NO. 19					
LOCATION Yaquina Bay Bridge Open Space					
PROJECT DESCRIPTION Construct reinforced lawn special event area. Shared-use paths, basketball court, lawn areas, seating, shelters, public art, and landscaping.					
PROPOSED IMPROVEMENTS					
ITEM NO.	BID ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
1	Clearing & Grubbing	2	ACRE	\$8,000	\$19,355
2	Earthwork	468	CY	\$15	\$7,022
3	Pavement (HMAC)	234	TON	\$80	\$18,726
4	Aggregate Base	433	TON	\$18	\$7,795
5	ADA Sidewalk Ramps	4	EACH	\$1,000	\$4,000
6	Reinforced Concrete	1,180	SF	\$8	\$8,850
7	Reinforced Lawn	18,075	SF	\$4	\$72,300
8	Landscaping	10,883	SF	\$3	\$32,648
9	Lawn Area	15,398	SF	\$1	\$15,398
10	Trees	38	EACH	\$350	\$13,300
11	Utility Coordination	1	LS	\$5,000	\$5,000
12	Benches	5	EACH	\$650	\$3,250
13	Wind Screen/Sculpture	1	LS	\$40,000	\$40,000
14	Basketball (half-court)	1	LS	\$10,000	\$10,000
15	Shelter Structures	4	EACH	\$3,500	\$14,000
	Subtotal			\$2,500	\$271,643
16	Surveying (%)			3%	\$8,149
17	Mobilization (%)			5%	\$13,582
18	Traffic Control (%)			3%	\$8,149
19	Erosion Control (%)			3%	\$8,149
	Estimated Direct Construction Cost				\$309,673
	Design Contingency			40%	\$123,869
	Design Fees			20%	\$61,935
	Construction Management			10%	\$30,967
ESTIMATED PROJECT COST					\$526,444

**Table F-23. Coastal Gully Open Space
Estimated Project Cost Summary**

PROJECT NO. 20					
LOCATION Safe Haven Hill					
PROJECT DESCRIPTION Construct shared-use path, trail, and stairs. Sidewalk on south and east sides. Establish clearing zone. Install disaster supply shed.					
PROPOSED IMPROVEMENTS					
ITEM NO.	BID ITEM DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
1	Clearing & Grubbing	1	ACRE	\$15,000	\$8,700
2	Matting (Bonded Fiber Matrix)	0	ACRE	\$6,818	\$2,386
3	Earthwork	410	CY	\$20	\$8,196
4	Pavement (HMAC)	191	TON	\$80	\$15,259
5	Aggregate Base	582	TON	\$18	\$10,477
6	Aggregate Base (Trail)	113	TON	\$19	\$2,148
7	Concrete Walks	6690	SF	\$4	\$26,760
8	Concrete Curb & Gutter	1115	LF	\$15	\$16,725
9	Concrete Stairs	115	LF	\$200	\$23,000
10	Retaining Wall, Prefabricated Modular	929	SF	\$35	\$32,508
11	Retaining Wall, Wood	1599	SF	\$25	\$39,984
12	Path Lighting	1	LS	\$50,000	\$50,000
13	Directional Signage	12	EACH	\$350	\$4,200
14	Educational Signage	2	EACH	\$2,500	\$5,000
15	Building	1	LS	\$10,000	\$10,000
16	Landscape Repair	21,210	SF	\$1	\$15,908
17	Trees	10	EACH	\$250	\$2,500
	Subtotal				\$273,751
18	Surveying (%)			LS	\$10,000
19	Mobilization (%)			10%	\$27,375
20	Traffic Control (%)			3%	\$8,213
21	Erosion Control (%)			3%	\$8,213
	Estimated Direct Construction Cost				\$327,552
	Design Contingency			40%	\$131,021
	Design Fees			20%	\$65,510
	Construction Management			10%	\$32,755
ESTIMATED PROJECT COST					\$556,838